

HAYER & BOECKER



NIAGARA® F-CLASS ECCENTRIC SCREENING MACHINES

A HAYER & BOECKER Company



ECCENTRIC SCREENING MACHINES **F-CLASS**

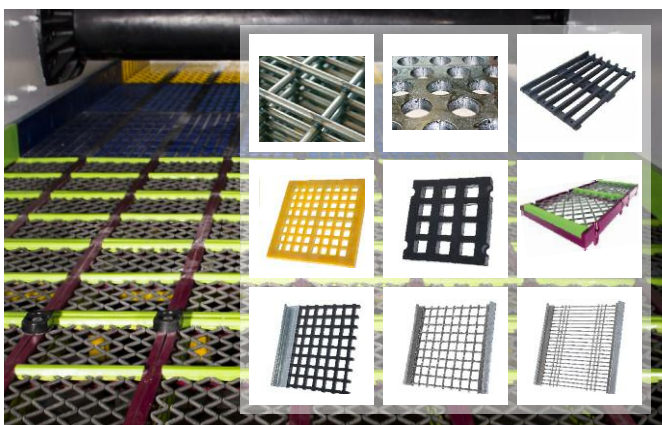


When it comes to eccentric machines, since 1930 the NIAGARA® F-CLASS four-bearing scalper screening machine has been regarded as the standard for functionality, durability and economy.

The F-CLASS screening machine operates independently of load. The eccentric drive unit provides for a fundamentally constant vibration stroke. This system makes the machine superior to the other free swinging machines when it comes to load spikes and sticky materials. As a result the requirements regarding high product quality, defined wrong size particle amount, and maximum correct particle yield are fulfilled.

A robust and twist-resistant support frame carries the screen box unit. Highly elastic buffer elements support it and minimize the transmission of vibrations to buildings and structures. Generously dimensioned external bearings inside pre-loaded rubber buffers also help ensure operation even under extreme loads.

The optional screen box reinforcing frame is designed for heavy-duty use, e.g. in mining and scalping operations. The unique HAVER Pro-Deck system allows various types of screen media to be combined independent of the manufacturer – e.g. lengthwise and crosswise tensioned woven wire cloth, PU screen panel, rubber screen media, finger rod and grates, perforated plates and grizzly bars.



We offer a large selection of well-known screening media from HAVER & BOECKER, TYLER, MAJOR WIRE and HAVER TELAS. The use of other screen media from other screen media manufacturers is possible as well.

Areas of application

- Coarse material and primary scalping
- Moist and sticky material
- High material feed rates
- All cases involving discontinuous feed rates, or when sticky and/or when heavily soiled materials need to be classified.

Industries

- Mining
- Construction material extraction (sand, gravel, stone and earth)
- Recycling
- Industrial minerals
- Chemical industry

Size range

- Widths from 1200 to 3000 mm
- Lengths from 2000 to 8000 mm
- Outputs up to 3000 t/hr
- Cut sizes from 16 to 350 mm
- Deck number 1 to 3 decks





NIAGARA® eccentric screening machines

The proven NIAGARA® eccentric screen machine is equipped with buffers between the screen box and support frame. It is characterized by its very rugged design. It is designated as a pre-scalper because as a rule it is used in pre-crushing plants for pre-scalping.



TYLER F-CLASS

With the Tyler F-CLASS the entire drive train is traditionally buffered. It is characterized by its extremely quiet operation. This eccentric screening machine is most often used starting as a secondary classifying system.



HAVER F-CLASS

The HAVER F-CLASS combines the advantages of both other systems and is equipped with floating, external bearings embedded in rubber. This eccentric machine is also predestined for use as a pre-scalper and for heavy duty applications.

THREE DIFFERENT ECCENTRIC SCREENING SYSTEMS

Depending on the job at hand, the right eccentric system is used and an effective and efficient production is ensured. Each of these eccentric machines may be used for materials from 0 to 2000 mm.

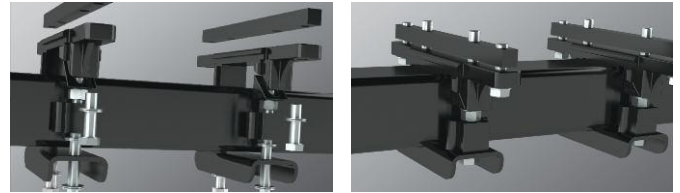
Advantages and benefits

- Ideal, load-independent drive system
- For all applications involving clay-like, loamy components or massively fluctuating feed rates
- Steady vibration cycle acts against material cake-up in the screen box and clogging of the screen medium, thus resulting in maximum good material yield
- External bearings dampen axial and radial dynamic load changes and spikes
- Balancing is possible, rapidly and easily at any time
- Inner and outer bearing combination designed for long lifetimes
- Maintenance-friendly, modular machine design
- Robust and compact design for easy system integration
- Clear and easy machine operation
- The unique HAVER Pro-Deck system allows different types of screen medium to be combined with each other, independent of the manufacturer
- Universal design supports both the metric and imperial system of units

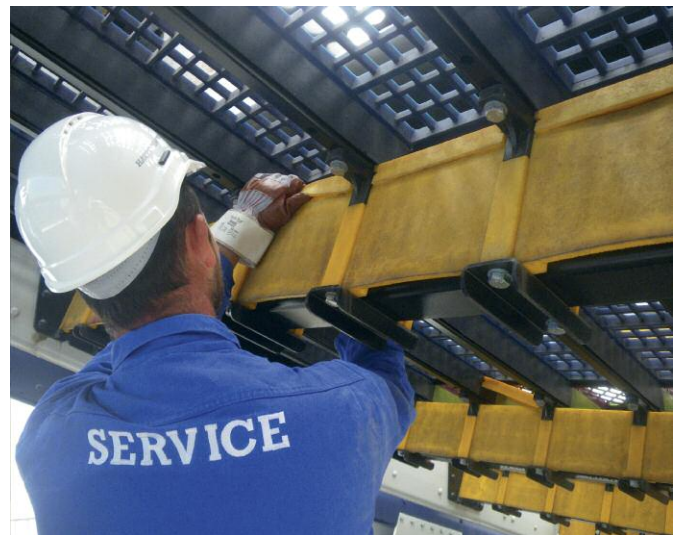
Accessories

HAVER-Snap-Guard® is a patented crossbeam abrasion protection system. In connection with a crossbeam system, the HAVER-Snap-Guard® is simply inserted and clamped. Installation and removal are done by hand without any tools.

With the HAVER-Snap-Guard® system, the time between maintenance intervals is extended and downtime is reduced. Overall this reduces operating costs, and increases the per-tonne profit.



HAVER Pro-Deck in combination with HAVER-Snap-Guard®



Easy assembly without tools

HAYER & BOECKER OHG

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